

A METHOD OF INJECTION MOLDING OR EXTRUDING A POLYMER  
COMPOSITION USING A LOW COMPRESSION SCREW

**ABSTRACT OF THE DISCLOSURE**

5 A method of injection molding or extruding a polymer composition having  
a predetermined bulk density associated with particles, granules or pellets of the  
polymer composition and a predetermined melt density when the polymer  
composition is fully melted and compressed. The method of the invention  
employs a screw having a volume compression ratio that is greater than or equal to  
10 the ratio of the predetermined melt density to the predetermined bulk density of  
the polymer composition and up to 1.25 X the ratio of the predetermined melt  
density to the predetermined bulk density of the polymer composition.

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